2004 Replacement Candidates

Sufficiency Rating:	12.62 SD
Bridge Owner Name:	Whitman County
Bridge Name:	HARLAN
Intersecting:	SILVER CREEK
Strudture ID:	08459500
Federal Highway:	ON
Latitude:	47 0 ' 37.3 "
Longitude:	117 7 ' 13 "
BridgeNo:	130000967
Carries:	GARFLD-FRMGTN/1300
Requester:	W. Mark Storey
Phone:	(509) 397-6206

Total Project Costs and Start Dates:

Projected Replacement :	$627,022.00
Preliminary Engineering:	January 2007
Right of Way:	June 2008
Construction Start:	June 2008

Condition Codes:

Deck:	5
Superstructure:	3
Substructure:	5
Scour:	2
Load Rating (Inv/Opr):	22 31 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	4
Under Clearance:	9
Waterway:	6
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	07	
Main/Appr Material Design:	3 03	0 00
Average Daily Traffic Year:	238	1980
Detour Length (Miles)	20	
Year Built and Rebuilt:	1934	1952
Historical Significance:	5	
Open/Closed/Posted:	R	
Number of Utilities:	1	

Geometric Data:

Bridge Length:	40
Curb to Curb:	20.3
Square feet of deck::	812
Number of lanes on:	2
Approach Roadway Width	28

Agency Cost Estimates:

New Square Foot:	2240
Preliminary Engineering:	$48,720.00
Right of Way:	$2,000.00
Construction:	$324,800.00
Other Projected Costs:	$191,160.00
Approach:	$60,342.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Girders
New Sub Type:	Concrete abutment on piles or spread
Proposed Length/Curb to Curb (FT):	70 32
Proposed work:	

Remove structure and replace with prestressed concrete bridge.

Site Review Comments

Temporary shoring supporting five girders with rotted ends, maintenance consistently done to replace bad timbers, mud sill foundation, high water reaches superstructure.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Good	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	13.04 SD
Bridge Owner Name:	Grays Harbor County
Bridge Name:	GARRARD CREEK BRIDGE
Intersecting:	GARRARD CREEK
Strudture ID:	07979700
Federal Highway:	OFF
Latitude:	46 48 ' 30 "
Longitude:	123 18 ' 30 "
BridgeNo:	6903/0.2
Carries:	HARP ROAD
Requester:	Roger Stein
Phone:	(360) 249-4222

Total Project Costs and Start Dates:

Projected Replacement :	$582,500.00
Preliminary Engineering:	January 2005
Right of Way:	January 2006
Construction Start:	June 2007

Condition Codes:

Deck:	4
Superstructure:	5
Substructure:	3
Scour:	3
Load Rating (Inv/Opr):	25 38 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	2
Under Clearance:	9
Waterway:	5
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	3 02 0 00
Average Daily Traffic Year:	122 2001
Detour Length (Miles)	99
Year Built and Rebuilt:	1967 0
Historical Significance:	4
Open/Closed/Posted:	A
Number of Utilities:	1

Geometric Data:

Bridge Length:	68
Curb to Curb:	15.5
Square feet of deck::	1054
Number of lanes on:	1
Approach Roadway Width	22

Agency Cost Estimates:

New Square Foot:	2240
Preliminary Engineering:	$45,000.00
Right of Way:	$10,000.00
Construction:	$300,000.00
Other Projected Costs:	$155,000.00
Approach:	$52,500.00

Agency Replacement Comments:

New Super Type:	Precast Concrete
New Sub Type:	Steel or Concrete Piles.
Proposed Length/Curb to Curb (FT):	80 28

Proposed work:

Replace existing steel and timber bridge with a precast concrete bridge.

Site Review Comments

Mudsill on east scouring, evidence of high water to superstructure, deck pans failing - asphalt alligatoring, crushing and sagging timber caps, maintenance repairs done to try to stabilize mudsill abutment. SR 13.04 substr. 3, S.R. 36.76 substr 4

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Good	Fair	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	13.99 SD
Bridge Owner Name:	King County
Bridge Name:	BANDARET
Intersecting:	ISSAQUAH CREEK
Strudture ID:	08194000
Federal Highway:	ON
Latitude:	47 28 ' 54 "
Longitude:	122 1 ' 54 "
BridgeNo:	493B
Carries:	SE MAY VALLY RD
Requester:	Jim Marcus
Phone:	(206) 296-8020

Total Project Costs and Start Dates:

Projected Replacement :	$2,943,700.00
Preliminary Engineering:	June 2005
Right of Way:	January 2007
Construction Start:	April 2008

Condition Codes:

Deck:	7
Superstructure:	6
Substructure:	4
Scour:	8
Load Rating (Inv/Opr):	17 28 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	2
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	14	
Main/Appr Material Design:	7 02	0 00
Average Daily Traffic Year:	6920	2003
Detour Length (Miles)	13	
Year Built and Rebuilt:	1952	1965
Historical Significance:	5	
Open/Closed/Posted:	A	
Number of Utilities:	3	

Geometric Data:

Bridge Length:	60
Curb to Curb:	24.5
Square feet of deck::	1470
Number of lanes on:	2
Approach Roadway Width	28

Agency Cost Estimates:

New Square Foot:	3800
Preliminary Engineering:	$332,700.00
Right of Way:	$60,000.00
Construction:	$839,000.00
Other Projected Costs:	$1,531,000.00
Approach:	$181,000.00

Agency Replacement Comments:

New Super Type:	Concrete Girder	
New Sub Type:	Pile Foundation	
Proposed Length/Curb to Curb (FT):	100	38

Proposed work:

Build detour bridge, remove and replace existing timber bridge with a concrete replacement bridge on improved alignment.

Site Review Comments

Cracked Glu-lam beam, lots of maintenance done to extend the life of this bridge, rotten back wall behind repaired abutment.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Poor	Fair	Poor

2004 Replacement Candidates

Sufficiency Rating:	17.12 SD
Bridge Owner Name:	Grant County
Bridge Name:	F NE
Intersecting:	MAIN CANAL
Strudture ID:	08053200
Federal Highway:	OFF
Latitude:	47 25 ' 54 "
Longitude:	119 21 ' 42 "
BridgeNo:	118
Carries:	F RD NE
Requester:	Bob Bersanti
Phone:	(509) 754-6082

Total Project Costs and Start Dates:

Projected Replacement :	$476,550.00
Preliminary Engineering:	January 2005
Right of Way:	
Construction Start:	October 2005

Condition Codes:

Deck:	4
Superstructure:	6
Substructure:	7
Scour:	8
Load Rating (Inv/Opr):	2 9 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	2
Deck Geometry:	2
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	3

Age and Service Data:

Fed Func Class:	09	
Main/Appr Material Design:	3 10	0 00
Average Daily Traffic Year:	99	1996
Detour Length (Miles)	12	
Year Built and Rebuilt:	1948	0
Historical Significance:	4	
Open/Closed/Posted:	P	
Number of Utilities:	0	

Geometric Data:

Bridge Length:	144
Curb to Curb:	10.6
Square feet of deck::	1526
Number of lanes on:	1
Approach Roadway Width	20

Agency Cost Estimates:

New Square Foot:	3840
Preliminary Engineering:	$40,500.00
Right of Way:	$0.00
Construction:	$270,000.00
Other Projected Costs:	$121,500.00
Approach:	$44,550.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Bulb-Tees
New Sub Type:	Concrete Abutments
Proposed Length/Curb to Curb (FT):	160 24
Proposed work:	

Remove and replace existing Bailey type bridge with a prestressed concrete bridge.

Site Review Comments

The existing bridge is a Bailey type that is in service as a permanent structure. The County has had experience with this type of bridge "unzipping" when members are removed. The bridge has a pronounced sag and deteriorated deck, new load rating.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Fair	Fair	Good

2004 Replacement Candidates

Sufficiency Rating:	17.7 SD
Bridge Owner Name:	Walla Walla County
Bridge Name:	McCOWN
Intersecting:	COPPEI CREEK
Strudture ID:	08489100
Federal Highway:	OFF
Latitude:	46 13 ' 30 "
Longitude:	118 8 ' 0 "
BridgeNo:	785200025
Carries:	MCCOWN RD
Requester:	David Eids
Phone:	(509) 527-3241

Total Project Costs and Start Dates:

Projected Replacement :	$485,400.00
Preliminary Engineering:	December 2004
Right of Way:	August 2005
Construction Start:	July 2006

Condition Codes:

Deck:	5
Superstructure:	5
Substructure:	3
Scour:	2
Load Rating (Inv/Opr):	17 28 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	3
Under Clearance:	9
Waterway:	4
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	1 11 0 00
Average Daily Traffic Year:	119 2004
Detour Length (Miles)	7
Year Built and Rebuilt:	1920 0
Historical Significance:	5
Open/Closed/Posted:	A
Number of Utilities:	0

Geometric Data:

Bridge Length:	46
Curb to Curb:	19.4
Square feet of deck::	892
Number of lanes on:	2
Approach Roadway Width	22

Agency Cost Estimates:

New Square Foot:	2240
Preliminary Engineering:	$31,500.00
Right of Way:	$10,000.00
Construction:	$210,000.00
Other Projected Costs:	$179,500.00
Approach:	$47,400.00

Agency Replacement Comments:

New Super Type:	Deck Bulb-tees
New Sub Type:	Concrete abutments
Proposed Length/Curb to Curb (FT):	70 32
Proposed work:	

Remove and existing earth filled arch and replace it with a concrete bridge. Detour bridge would be required.

Site Review Comments

Scour problem, abutment exposed with large scour holes, odd timber configuration exposed in the concrete of the abutment, mitigation engineered in the past that did not hold.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	20.95 SD
Bridge Owner Name:	Clark County
Bridge Name:	KLINELINE
Intersecting:	SALMON CREEK
Strudture ID:	08356100
Federal Highway:	ON
Latitude:	45 42 ' 30.2 "
Longitude:	122 38 ' 56 "
BridgeNo:	0000000001
Carries:	NE HWY 99
Requester:	Carolyn Heniges
Phone:	(360) 397-6118

Total Project Costs and Start Dates:

Projected Replacement :	$3,246,075.00
Preliminary Engineering:	February 2005
Right of Way:	December 2006
Construction Start:	February 2008

Condition Codes:

Deck:	7
Superstructure:	4
Substructure:	3
Scour:	2
Load Rating (Inv/Opr):	30 51 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	2
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	16	
Main/Appr Material Design:	5 04	5 20
Average Daily Traffic Year:	17934	1999
Detour Length (Miles)	2	
Year Built and Rebuilt:	1928	1956
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	9	

Geometric Data:

Bridge Length:	132
Curb to Curb:	48.3
Square feet of deck::	6375
Number of lanes on:	4
Approach Roadway Width	63

Agency Cost Estimates:

New Square Foot:	10500
Preliminary Engineering:	$173,250.00
Right of Way:	$900,000.00
Construction:	$1,155,000.00
Other Projected Costs:	$669,750.00
Approach:	$213,075.00

Agency Replacement Comments:

New Super Type:	Precast Concrete Girders
New Sub Type:	Pile or shaft.
Proposed Length/Curb to Curb (FT):	150 70

Proposed work:

Remove and replace existing scour vulnerable bridge with a single span concrete bridge.

Site Review Comments

Long documented history of scour problems, many repairs and attempts to stabilize channel, problems are far reaching along the channel and severely effect the bridge, New load rating necessary but not completed for this meeting.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Poor	Good	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	21.01 SD
Bridge Owner Name:	Walla Walla County
Bridge Name:	SUB STATION
Intersecting:	WHISKEY CREEK
Strudture ID:	08135500
Federal Highway:	OFF
Latitude:	46 6 ' 36 "
Longitude:	118 7 ' 6 "
BridgeNo:	691000023
Carries:	LOWER HOGEYE RD
Requester:	David Eids
Phone:	(509) 527-3241

Total Project Costs and Start Dates:

Projected Replacement :	$580,630.00
Preliminary Engineering:	December 2004
Right of Way:	December 2005
Construction Start:	May 2006

Condition Codes:

Deck:	9
Superstructure:	8
Substructure:	3
Scour:	5
Load Rating (Inv/Opr):	17 28 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	3
Under Clearance:	9
Waterway:	7
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	1 11 0 00
Average Daily Traffic Year:	218 2004
Detour Length (Miles)	5
Year Built and Rebuilt:	1916 0
Historical Significance:	5
Open/Closed/Posted:	A
Number of Utilities:	0

Geometric Data:

Bridge Length:	56
Curb to Curb:	19.3
Square feet of deck::	1080
Number of lanes on:	2
Approach Roadway Width	20

Agency Cost Estimates:

New Square Foot:	1920
Preliminary Engineering:	$56,300.00
Right of Way:	$30,000.00
Construction:	$242,000.00
Other Projected Costs:	$198,900.00
Approach:	$53,430.00

Agency Replacement Comments:

New Super Type:	Single span Beck Bulb-tee
New Sub Type:	Concrete Abutments - Pile Supported
Proposed Length/Curb to Curb (FT):	60 32
Proposed work:	

Remove the existing earth filled arch and replace with a precast concrete structure.

Site Review Comments

Abutment supports are minimal piles that are exposed both sides. Foundation not correct for soils, mitigation difficult.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Fair	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	25.86 SD
Bridge Owner Name:	Grays Harbor County
Bridge Name:	GARRARD CREEK BRIDGE
Intersecting:	GARRARD CREEK
Strudture ID:	08093900
Federal Highway:	ON
Latitude:	46 48 ' 24 "
Longitude:	123 19 ' 48 "
BridgeNo:	6890/1.6
Carries:	BROOKLYN ROAD
Requester:	Roger Stein
Phone:	(360) 249-4222

Total Project Costs and Start Dates:

Projected Replacement :	$347,700.00
Preliminary Engineering:	January 2005
Right of Way:	January 2006
Construction Start:	June 2007

Condition Codes:

Deck:	6		
Superstructure:	6		
Substructure:	3		
Scour:	3		
Load Rating (Inv/Opr):	39	65	**HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	3
Under Clearance:	9
Waterway:	4
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	07	
Main/Appr Material Design:	5 01	0 00
Average Daily Traffic Year:	203	2001
Detour Length (Miles)	80	
Year Built and Rebuilt:	1971	0
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	0	

Geometric Data:

Bridge Length:	28
Curb to Curb:	19.5
Square feet of deck::	546
Number of lanes on:	2
Approach Roadway Width	22

Agency Cost Estimates:

New Square Foot:	1120
Preliminary Engineering:	$27,000.00
Right of Way:	$10,000.00
Construction:	$180,000.00
Other Projected Costs:	$81,000.00
Approach:	$29,700.00

Agency Replacement Comments:

New Super Type:	Precast Concrete	
New Sub Type:	Steel or Concrete Piles	
Proposed Length/Curb to Curb (FT):	40	28

Proposed work:

Replace existing concrete slab and timber mudsill bridge with a precast concrete bridge.

Site Review Comments

Bridge is on failing, scouring mudsills, County has performed maintenance and mitigation to try to stabilize the foundation - timber replacement and riprap placement.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Good	Good	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	28.08 SD
Bridge Owner Name:	Klickitat County
Bridge Name:	WAHKIACUS BIG KLICKITAT
Intersecting:	KLICKITAT RIVER
Strudture ID:	08259000 **Federal Highway:** OFF
Latitude:	45 49 ' 28.3 " **Longitude:** 121 6 ' 9.4 "
BridgeNo:	202
Carries:	HORSESHOE BEND RD.
Requester:	Bjorn Hedges **Phone:** (509) 773-4616

Total Project Costs and Start Dates:

Projected Replacement :	$1,714,050.00
Preliminary Engineering:	January 2008
Right of Way:	July 2008
Construction Start:	May 2009

Condition Codes:

Deck:	4
Superstructure:	5
Substructure:	3
Scour:	2
Load Rating (Inv/Opr):	29 49 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	6
Under Clearance:	9
Waterway:	8
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	5 04 0 00
Average Daily Traffic Year:	67 1999
Detour Length (Miles)	25
Year Built and Rebuilt:	1965 0
Historical Significance:	4
Open/Closed/Posted:	A
Number of Utilities:	1

Geometric Data:

Bridge Length:	133
Curb to Curb:	14
Square feet of deck::	1862
Number of lanes on:	1
Approach Roadway Width	16

Agency Cost Estimates:

New Square Foot:	5600
Preliminary Engineering:	$148,000.00
Right of Way:	$40,000.00
Construction:	$920,000.00
Other Projected Costs:	$449,000.00
Approach:	$157,050.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete
New Sub Type:	Concrete abutments - spread ftgs or pile suppor
Proposed Length/Curb to Curb (FT):	200 28
Proposed work:	

Remove and replace existing single span bridge with a longer concrete structure to open flood plane and stop contraction scour.

Site Review Comments

Bridge scouring and undermined on SR 142 side, river threatening highway upstream, major contraction scour caused by east approach, WSDOT recommends longer bridge, mitigation for current would probably move problem to other end of bridge, bad deck.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Fair	Good	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	30.92 SD
Bridge Owner Name:	Whitman County
Bridge Name:	FOX BROS
Intersecting:	PINE CREEK
Strudture ID:	08354400
Federal Highway:	OFF
Latitude:	47 12 ' 11.1 "
Longitude:	117 13 ' 32.9 "
BridgeNo:	012000044
Carries:	FOX/0120
Requester:	W. Mark Storey
Phone:	(509) 397-6206

Total Project Costs and Start Dates:

Projected Replacement :	$841,999.00
Preliminary Engineering:	January 2007
Right of Way:	June 2008
Construction Start:	June 2008

Condition Codes:

Deck:	4
Superstructure:	3
Substructure:	5
Scour:	U
Load Rating (Inv/Opr):	20 28 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	4
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09	
Main/Appr Material Design:	7 02	0 00
Average Daily Traffic Year:	65	1979
Detour Length (Miles)	3	
Year Built and Rebuilt:	1954	0
Historical Significance:	4	
Open/Closed/Posted:	D	
Number of Utilities:	0	

Geometric Data:

Bridge Length:	85
Curb to Curb:	19.5
Square feet of deck::	1657
Number of lanes on:	2
Approach Roadway Width	24

Agency Cost Estimates:

New Square Foot:	3080
Preliminary Engineering:	$66,990.00
Right of Way:	$2,000.00
Construction:	$446,600.00
Other Projected Costs:	$254,970.00
Approach:	$80,439.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Beams
New Sub Type:	Concrete abutments on piles
Proposed Length/Curb to Curb (FT):	110 28
Proposed work:	

Remove and replace existing bridge with a concrete bridge on pile supported footings. Temporary bridge during construction

Site Review Comments

Bridge is open due to temporary bent. Superstructure is badly deteriorated, County has performed maintenance but bridge is deteriorating faster than they can repair it.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Poor	Good	Fair

2004 Replacement Candidates

Sufficiency Rating:	32.46
Bridge Owner Name:	Whitman County
Bridge Name:	AUNE
Intersecting:	ALKALI FLAT CREEK
Strudture ID:	08224600
Federal Highway:	OFF
Latitude:	46 41 ' 42.7 "
Longitude:	117 49 ' 22.8 "
BridgeNo:	700500576
Carries:	BIG ALKALI/7005
Requester:	W. Mark Storey
Phone:	(509) 397-6206

Total Project Costs and Start Dates:

Projected Replacement :	$627,022.00
Preliminary Engineering:	January 2006
Right of Way:	June 2006
Construction Start:	June 2007

Condition Codes:

Deck:	5
Superstructure:	5
Substructure:	4
Scour:	2
Load Rating (Inv/Opr):	22 31 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	2
Deck Geometry:	5
Under Clearance:	9
Waterway:	5
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	08
Main/Appr Material Design:	7 02 0 00
Average Daily Traffic Year:	84 1992
Detour Length (Miles)	18
Year Built and Rebuilt:	1921 1956
Historical Significance:	5
Open/Closed/Posted:	A
Number of Utilities:	1

Geometric Data:

Bridge Length:	40
Curb to Curb:	23.5
Square feet of deck::	940
Number of lanes on:	2
Approach Roadway Width	30

Agency Cost Estimates:

New Square Foot:	2240
Preliminary Engineering:	$46,720.00
Right of Way:	$2,000.00
Construction:	$324,800.00
Other Projected Costs:	$191,160.00
Approach:	$60,342.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Girders
New Sub Type:	Concrete founded on Piles or spread
Proposed Length/Curb to Curb (FT):	70 32
Proposed work:	

Remove and replace existing timber and concrete bridge with concrete structure

Site Review Comments

Scour present. 5-6 foot cantilever of caps, caps rotting.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	32.82 SD
Bridge Owner Name:	Adams County
Bridge Name:	DUCK POND
Intersecting:	EAST LOW CANAL
Strudture ID:	08038400
Federal Highway:	OFF
Latitude:	46 59 ' 6 "
Longitude:	118 57 ' 6 "
BridgeNo:	412-3
Carries:	CALLOWAY ROAD
Requester:	Clint Biggar
Phone:	(509) 659-3281

Condition Codes:

Deck:	4
Superstructure:	4
Substructure:	5
Scour:	8
Load Rating (Inv/Opr):	8 12 **HS-20 (Tons**

Age and Service Data:

Fed Func Class:	09	
Main/Appr Material Design:	7 02	0 00
Average Daily Traffic Year:	45	2000
Detour Length (Miles)	11	
Year Built and Rebuilt:	1953	0
Historical Significance:	4	
Open/Closed/Posted:	P	
Number of Utilities:	0	

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Bulb-Tees
New Sub Type:	Concrete Abutments
Proposed Length/Curb to Curb (FT):	134 30

Proposed work:

Remove existing deteriorated timber bridge and replace with precast concrete structure.

Total Project Costs and Start Dates:

Projected Replacement :	$461,250.00
Preliminary Engineering:	October 2005
Right of Way:	
Construction Start:	November 2005

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	6
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	4

Geometric Data:

Bridge Length:	124
Curb to Curb:	24.3
Square feet of deck::	3013
Number of lanes on:	2
Approach Roadway Width	28

Agency Cost Estimates:

New Square Foot:	4020
Preliminary Engineering:	$36,000.00
Right of Way:	$0.00
Construction:	$240,000.00
Other Projected Costs:	$113,000.00
Approach:	$67,250.00

Site Review Comments

Repairs have been made in past to extend life of bridge. Bridge Flexes badly under load. Shallow footings - no pile penetration. Rehab costs approx. equal to replace

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Fair	Good	Poor

2004 Replacement Candidates

Sufficiency Rating:	34.33 SD
Bridge Owner Name:	Kittitas County
Bridge Name:	BAR 14 RD-HILINE CANAL
Intersecting:	HILINE CANAL
Strudture ID:	08025700
Federal Highway:	OFF
Latitude:	47 4 ' 30 "
Longitude:	120 29 ' 30 "
BridgeNo:	89055
Carries:	BAR 14 ROAD
Requester:	John Nixon
Phone:	(509) 962-7018

Total Project Costs and Start Dates:

Projected Replacement :	$1,206,301.00
Preliminary Engineering:	January 2007
Right of Way:	May 2006
Construction Start:	November 2007

Condition Codes:

Deck:	5
Superstructure:	5
Substructure:	3
Scour:	5
Load Rating (Inv/Opr):	17 28 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	5
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09	
Main/Appr Material Design:	1 02	0 00
Average Daily Traffic Year:	136	2003
Detour Length (Miles)	4	
Year Built and Rebuilt:	1931	1970
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	1	

Geometric Data:

Bridge Length:	103
Curb to Curb:	24.2
Square feet of deck::	2492
Number of lanes on:	2
Approach Roadway Width	26

Agency Cost Estimates:

New Square Foot:	3360
Preliminary Engineering:	$135,760.00
Right of Way:	$15,000.00
Construction:	$638,400.00
Other Projected Costs:	$309,780.00
Approach:	$107,361.00

Agency Replacement Comments:

New Super Type:	Prestressed Bulb-Tee
New Sub Type:	Concrete abutment on spread footings
Proposed Length/Curb to Curb (FT):	120 28
Proposed work:	

Remove and replace existing bridge with a clearspan prestressed concrete bridge.

Site Review Comments

Bridge re-built on skewed footings, Superstructure skew doesn't match footings, induced stresses tearing substructure apart, existing timbers rotting and crushing, maintenance for timber replacement done to extend life of bridge. Footings undermined.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	36.45 SD
Bridge Owner Name:	Grays Harbor County
Bridge Name:	GARRARD CREEK BRIDGE
Intersecting:	GARRARD CREEK
Strudture ID:	08105100
Federal Highway:	OFF
Latitude:	46 48 ' 18 "
Longitude:	123 17 ' 12 "
BridgeNo:	6929/0.1
Carries:	FORREST ROAD
Requester:	Roger Stein
Phone:	(360) 249-4222

Total Project Costs and Start Dates:

Projected Replacement :	$582,500.00
Preliminary Engineering:	January 2005
Right of Way:	January 2006
Construction Start:	June 2007

Condition Codes:

Deck:	4
Superstructure:	5
Substructure:	3
Scour:	3
Load Rating (Inv/Opr):	42 70 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	7
Under Clearance:	9
Waterway:	5
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	3 02 0 00
Average Daily Traffic Year:	19 2002
Detour Length (Miles)	99
Year Built and Rebuilt:	1967 0
Historical Significance:	4
Open/Closed/Posted:	A
Number of Utilities:	0

Geometric Data:

Bridge Length:	67
Curb to Curb:	15.5
Square feet of deck::	1038
Number of lanes on:	1
Approach Roadway Width	18

Agency Cost Estimates:

New Square Foot:	2240
Preliminary Engineering:	$45,000.00
Right of Way:	$10,000.00
Construction:	$300,000.00
Other Projected Costs:	$155,000.00
Approach:	$52,500.00

Agency Replacement Comments:

New Super Type:	Precast Concrete
New Sub Type:	Steel or Concrete Piles
Proposed Length/Curb to Curb (FT):	80 28

Proposed work:

Replace existing steel and timber bridge with a precast concrete bridge.

Site Review Comments

Mudsill on east scouring, evidence of high water to superstructure, deck pans failing - asphalt failing, maintenance repairs done to try to stabilize mudsill abutment

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Poor	Fair	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	37.07 SD
Bridge Owner Name:	WALLA WALLA
Bridge Name:	PALOUSE AT MILL CR
Intersecting:	MILL CR
Strudture ID:	08535900
Federal Highway:	ON
Latitude:	46 3 ' 0 "
Longitude:	118 22 ' 12 "
BridgeNo:	10
Carries:	PALOUSE ST
Requester:	Dean Abrams
Phone:	(509) 527-4537

Total Project Costs and Start Dates:

Projected Replacement :	$855,200.00
Preliminary Engineering:	December 2004
Right of Way:	
Construction Start:	July 2006

Condition Codes:

Deck:	4
Superstructure:	3
Substructure:	6
Scour:	8
Load Rating (Inv/Opr):	22 36 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	8
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	17	
Main/Appr Material Design:	1 04	0 00
Average Daily Traffic Year:	4050	1994
Detour Length (Miles)	1	
Year Built and Rebuilt:	1916	0
Historical Significance:	5	
Open/Closed/Posted:	A	
Number of Utilities:	3	

Geometric Data:

Bridge Length:	54
Curb to Curb:	48
Square feet of deck::	2592
Number of lanes on:	2
Approach Roadway Width	48

Agency Cost Estimates:

New Square Foot:	2880
Preliminary Engineering:	$72,000.00
Right of Way:	$0.00
Construction:	$480,000.00
Other Projected Costs:	$216,000.00
Approach:	$79,200.00

Agency Replacement Comments:

New Super Type:	Precast concrete girders	
New Sub Type:	CIP concrete abutments	
Proposed Length/Curb to Curb (FT):	60	48

Proposed work:

Remove existing bridge and replace with single span precast bridge with sidewalks on both sides.

Site Review Comments

Bridge condition poor on outside girders and improves as work toward centerline, Concrete cracked and spalling, beam H bearing on utility pipe, some rusty leaching cracks, approach settlement, Bridge re-load rated after site review

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Poor	Poor	Good	Poor

2004 Replacement Candidates

Sufficiency Rating:	37.65 SD
Bridge Owner Name:	Franklin County
Bridge Name:	DILLING LANE
Intersecting:	EAST LATERAL 85
Strudture ID:	08419100
Federal Highway:	OFF
Latitude:	46 39 ' 24 "
Longitude:	118 57 ' 42 "
BridgeNo:	216-0.56
Carries:	COUNTY ARTERIAL
Requester:	Guy Walters
Phone:	(509) 545-3514

Total Project Costs and Start Dates:

Projected Replacement :	$202,134.00
Preliminary Engineering:	March 2005
Right of Way:	
Construction Start:	October 2005

Condition Codes:

Deck:	5
Superstructure:	3
Substructure:	7
Scour:	9
Load Rating (Inv/Opr):	18 26 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	6
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	7 02 0 00
Average Daily Traffic Year:	74 1997
Detour Length (Miles)	99
Year Built and Rebuilt:	1954 0
Historical Significance:	4
Open/Closed/Posted:	P
Number of Utilities:	1

Geometric Data:

Bridge Length:	26
Curb to Curb:	24
Square feet of deck::	624
Number of lanes on:	2
Approach Roadway Width	24

Agency Cost Estimates:

New Square Foot:	840
Preliminary Engineering:	$15,840.00
Right of Way:	$0.00
Construction:	$105,600.00
Other Projected Costs:	$52,520.00
Approach:	$18,174.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Slabs
New Sub Type:	Dry crossing with spread footings
Proposed Length/Curb to Curb (FT):	30 28
Proposed work:	

Remove the existing timber structure and replace it with a precast concrete bridge.

Site Review Comments

Maintenance has been done to extend the life of the bridge, timber girders are rotting at abutment, temporary repairs made to support deck at approach.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Poor	Good	Poor

2004 Replacement Candidates

Sufficiency Rating:	38.12 SD
Bridge Owner Name:	LIND
Bridge Name:	LIND COULEE-VAN MARTER
Intersecting:	LIND COULEE
Strudture ID:	08518500
Federal Highway:	OFF
Latitude:	46 58 ' 10.1 "
Longitude:	118 36 ' 56.7 "
BridgeNo:	LIND 1
Carries:	VAN MARTER ST
Requester:	Clint Biggar
Phone:	(509) 659-3281

Total Project Costs and Start Dates:

Projected Replacement :	$434,350.00
Preliminary Engineering:	October 2004
Right of Way:	
Construction Start:	November 2005

Condition Codes:

Deck:	5		
Superstructure:	5		
Substructure:	4		
Scour:	3		
Load Rating (Inv/Opr):	17	26	**HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	5
Under Clearance:	9
Waterway:	6
Roadway Alignment	8
Safe Load Capacity:	3

Age and Service Data:

Fed Func Class:	08	
Main/Appr Material Design:	7 02	0 00
Average Daily Traffic Year:	350	1994
Detour Length (Miles)	1	
Year Built and Rebuilt:	1934	0
Historical Significance:	5	
Open/Closed/Posted:	P	
Number of Utilities:	0	

Geometric Data:

Bridge Length:	113
Curb to Curb:	24.1
Square feet of deck::	2723
Number of lanes on:	2
Approach Roadway Width	20

Agency Cost Estimates:

New Square Foot:	4080
Preliminary Engineering:	$36,000.00
Right of Way:	$0.00
Construction:	$240,000.00
Other Projected Costs:	$113,000.00
Approach:	$40,350.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Bulb-tees	
New Sub Type:	Concrete abutments	
Proposed Length/Curb to Curb (FT):	120	34

Proposed work:

Remove existing bridge and replace with a concrete bridge. Project would include channel work and proper guardrail.

Site Review Comments

Timber substructure damaged by fire - section loss, water reaches deck elevation in the spring, debris shows level and flow, Thalweg 2' below bottom of pier footings, timbers are crushing and sagging.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	38.92 FO
Bridge Owner Name:	Thurston County
Bridge Name:	OLY-YELM RD.RR.OC
Intersecting:	RAILROAD
Strudture ID:	08006700
Federal Highway:	ON
Latitude:	46 59 ' 24 "
Longitude:	122 47 ' 42 "
BridgeNo:	O-12
Carries:	YELM HWY S.E.
Requester:	Don Pogreba
Phone:	(360) 754-4580

Total Project Costs and Start Dates:

Projected Replacement :	$3,134,813.00
Preliminary Engineering:	March 2005
Right of Way:	March 2007
Construction Start:	June 2007

Condition Codes:

Deck:	5
Superstructure:	5
Substructure:	5
Scour:	N
Load Rating (Inv/Opr):	20 34 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	2
Under Clearance:	9
Waterway:	9
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	14	
Main/Appr Material Design:	2 04	0 00
Average Daily Traffic Year:	12500	2004
Detour Length (Miles)	5	
Year Built and Rebuilt:	1951	0
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	2	

Geometric Data:

Bridge Length:	183
Curb to Curb:	26
Square feet of deck::	4758
Number of lanes on:	2
Approach Roadway Width	30

Agency Cost Estimates:

New Square Foot:	13300
Preliminary Engineering:	$252,375.00
Right of Way:	$25,000.00
Construction:	$1,662,500.00
Other Projected Costs:	$898,125.00
Approach:	$296,813.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Girder, Concrete Deck
New Sub Type:	Reinforced Concrete Piers
Proposed Length/Curb to Curb (FT):	190 70
Proposed work:	

Replace existing structure with a widened concrete bridge to accommodate ADT of 12500.

Site Review Comments

Major improvements approaching both ends of the bridge, on the six-year plan, povides access for Amtrack Station.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Fair	Fair	N.A.

2004 Replacement Candidates

Sufficiency Rating:	40.7
Bridge Owner Name:	Garfield County
Bridge Name:	KEITH M.P. 12.26
Intersecting:	DEADMAN CREEK
Strudture ID:	08716900 **Federal Highway:** ON
Latitude:	46 35 ' 18.2 " **Longitude:** 117 36 ' 29.7 "
BridgeNo:	7
Carries:	LOWER DEADMAN RD
Requester:	W. Grant Morgan **Phone:** (509) 843-1301

Condition Codes:

Deck:	6
Superstructure:	6
Substructure:	3
Scour:	2
Load Rating (Inv/Opr):	15 25 **HS-20 (Tons**

Age and Service Data:

Fed Func Class:	07
Main/Appr Material Design:	1 11
Average Daily Traffic Year:	140 2000
Detour Length (Miles)	9
Year Built and Rebuilt:	1939 0
Historical Significance:	5
Open/Closed/Posted:	A
Number of Utilities:	1

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Deck Girder
New Sub Type:	Concrete abutment on piling or spread footings
Proposed Length/Curb to Curb (FT):	110 32
Proposed work:	

Remove existing two part structure and replace with prestressed concrete bridge.

Total Project Costs and Start Dates:

Projected Replacement :	$527,800.00
Preliminary Engineering:	
Right of Way:	
Construction Start:	

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	7
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	

Geometric Data:

Bridge Length:	52
Curb to Curb:	32.6
Square feet of deck::	1695
Number of lanes on:	2
Approach Roadway Width	32

Agency Cost Estimates:

New Square Foot:	3520
Preliminary Engineering:	$48,000.00
Right of Way:	$0.00
Construction:	$320,000.00
Other Projected Costs:	$144,000.00
Approach:	$52,800.00

Site Review Comments

Scour is a problem, Interface between two types of bridges caused scour hole, arch bridge has settled at approach on scouring end.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Poor	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	41.74 SD
Bridge Owner Name:	Grays Harbor County
Bridge Name:	DRAINAGE BRIDGE
Intersecting:	DRAINAGE CANAL
Strudture ID:	08040300
Federal Highway:	OFF
Latitude:	46 48 ' 42 "
Longitude:	124 5 ' 24 "
BridgeNo:	1117/0.1
Carries:	SCHMID ROAD (S)
Requester:	Roger Stein
Phone:	(360) 249-4222

Total Project Costs and Start Dates:

Projected Replacement :	$363,875.00
Preliminary Engineering:	January 2005
Right of Way:	April 2006
Construction Start:	June 2007

Condition Codes:

Deck:	6
Superstructure:	7
Substructure:	3
Scour:	2
Load Rating (Inv/Opr):	32 53 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	4
Under Clearance:	9
Waterway:	6
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	5 01 0 00
Average Daily Traffic Year:	171 1999
Detour Length (Miles)	1
Year Built and Rebuilt:	1971 0
Historical Significance:	4
Open/Closed/Posted:	A
Number of Utilities:	1

Geometric Data:

Bridge Length:	31
Curb to Curb:	23.5
Square feet of deck::	728
Number of lanes on:	2
Approach Roadway Width	24

Agency Cost Estimates:

New Square Foot:	1120
Preliminary Engineering:	$26,250.00
Right of Way:	$25,000.00
Construction:	$175,000.00
Other Projected Costs:	$78,750.00
Approach:	$28,875.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Slabs
New Sub Type:	Concrete Abutment on Piles
Proposed Length/Curb to Curb (FT):	40 28
Proposed work:	

Remove existing failing mud sills and construct concrete abutments on a new alignment to improve existing 90 degree corner.

Site Review Comments

Bridge founded on mudsills, County has performed maintenance and mitigation to stabilized foundation, Scour at mudsill level, timbers rotting, maintenance to replace rotten timbers has prolonged life of bridge, Load rating high - not for substructure.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Fair	Good	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	41.86 SD
Bridge Owner Name:	Whatcom County
Bridge Name:	JOHNSON CR
Intersecting:	JOHNSON CREEK
Strudture ID:	08076100
Federal Highway:	OFF
Latitude:	48 58 ' 42 "
Longitude:	122 19 ' 0 "
BridgeNo:	302
Carries:	CLEARBROOK RD
Requester:	Steve Dillon
Phone:	(360) 676-6730

Condition Codes:

Deck:	6
Superstructure:	6
Substructure:	3
Scour:	U
Load Rating (Inv/Opr):	32 54 **HS-20 (Tons**

Age and Service Data:

Fed Func Class:	09	
Main/Appr Material Design:	1 22	0 00
Average Daily Traffic Year:	325	1996
Detour Length (Miles)	4	
Year Built and Rebuilt:	1955	0
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	0	

Agency Replacement Comments:

New Super Type:	Concrete Voided Slabs
New Sub Type:	Pile Supported Concrete Abutments
Proposed Length/Curb to Curb (FT):	60 28
Proposed work:	

Remove existing bathtub girder bridge and Replace with concrete slab bridge.

Total Project Costs and Start Dates:

Projected Replacement :	$583,625.00
Preliminary Engineering:	February 2006
Right of Way:	
Construction Start:	July 2008

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	5
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Geometric Data:

Bridge Length:	38
Curb to Curb:	24
Square feet of deck::	912
Number of lanes on:	2
Approach Roadway Width	22

Agency Cost Estimates:

New Square Foot:	1680
Preliminary Engineering:	$58,750.00
Right of Way:	$0.00
Construction:	$325,000.00
Other Projected Costs:	$146,250.00
Approach:	$53,625.00

Site Review Comments

Bridge Open due to temporary shoring and previous repairs. Superstructure in good shape - Substructure deteriorating around it, load rating reflects good super not deteriorated sub.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Fair	Poor	Good	Poor

2004 Replacement Candidates

Sufficiency Rating:	41.87 SD
Bridge Owner Name:	TACOMA
Bridge Name:	PUYALLUP RIVER BRIDGE A
Intersecting:	RAILROAD
Strudture ID:	08656300
Federal Highway:	ON
Latitude:	47 14 ' 35.5 "
Longitude:	122 24 ' 18.5 "
BridgeNo:	F16A
Carries:	PUYALLUP AVENUE
Requester:	Dan Soderlind
Phone:	(253) 591-5263

Total Project Costs and Start Dates:

Projected Replacement :	$5,540,980.00
Preliminary Engineering:	September 2005
Right of Way:	
Construction Start:	September 2006

Condition Codes:

Deck:	5
Superstructure:	4
Substructure:	5
Scour:	N
Load Rating (Inv/Opr):	33 55 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	2
Under Clearance:	9
Waterway:	9
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	14	
Main/Appr Material Design:	3 10	0 00
Average Daily Traffic Year:	17800	2000
Detour Length (Miles)	3	
Year Built and Rebuilt:	1925	0
Historical Significance:	5	
Open/Closed/Posted:	A	
Number of Utilities:	0	

Geometric Data:

Bridge Length:	196
Curb to Curb:	36
Square feet of deck::	7056
Number of lanes on:	3
Approach Roadway Width	36

Agency Cost Estimates:

New Square Foot:	10192
Preliminary Engineering:	$460,800.00
Right of Way:	$0.00
Construction:	$3,072,000.00
Other Projected Costs:	$1,468,400.00
Approach:	$519,780.00

Agency Replacement Comments:

New Super Type:	Steel Through Truss	
New Sub Type:	Concrete Piers	
Proposed Length/Curb to Curb (FT):	196	52

Proposed work:

Remove existing deteriorated steel truss and replace with a new bridge section.

Site Review Comments

Bridge has been damaged and repaired numerous times, adjacent portion is funded for replacement, by replacing this truss additional lanes can be added to the intersection at Portland Ave and help with back-ups at the light.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Poor	Good	Poor	Good	N.A.

2004 Replacement Candidates

Sufficiency Rating:	43.67 SD
Bridge Owner Name:	TACOMA
Bridge Name:	EAST LINCOLN AVENUE
Intersecting:	PUYALLUP RIVER
Strudture ID:	08501500
Federal Highway:	ON
Latitude:	47 15 ' 3 "
Longitude:	122 24 ' 51 "
BridgeNo:	F12
Carries:	EAST LINCOLN AVE
Requester:	Dan Soderlind
Phone:	(253) 591-5263

Total Project Costs and Start Dates:

Projected Replacement :	$9,987,250.00
Preliminary Engineering:	June 2005
Right of Way:	
Construction Start:	June 2006

Condition Codes:

Deck:	4		
Superstructure:	4		
Substructure:	6		
Scour:	3		
Load Rating (Inv/Opr):	39	58	**HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	4
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	17		
Main/Appr Material Design:	3 10	3 02	
Average Daily Traffic Year:	4214	1976	
Detour Length (Miles)	2		
Year Built and Rebuilt:	1929	1944	
Historical Significance:	5		
Open/Closed/Posted:	A		
Number of Utilities:	4		

Geometric Data:

Bridge Length:	470
Curb to Curb:	30
Square feet of deck::	14100
Number of lanes on:	2
Approach Roadway Width	32

Agency Cost Estimates:

New Square Foot:	26320
Preliminary Engineering:	$847,500.00
Right of Way:	$0.00
Construction:	$5,650,000.00
Other Projected Costs:	$2,542,500.00
Approach:	$932,250.00

Agency Replacement Comments:

New Super Type:	Steel Truss	
New Sub Type:	Pile supported piers	
Proposed Length/Curb to Curb (FT):	470	56
Proposed work:		

Remove existing steel truss and replace with steel bridge.

Site Review Comments

Major corridor plans for East Lincoln Avenue by the Port of Tacoma, new overpass at railroad 5 lanes to be completed by 2008, current capacity is 780 VPH - projected is 1029 VPH.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Poor	Fair	Fair	Good	Fair

2004 Replacement Candidates

Sufficiency Rating:	43.95 SD
Bridge Owner Name:	Grays Harbor County
Bridge Name:	DRAINAGE BRIDGE
Intersecting:	DRAINAGE CANAL
Strudture ID:	08042700
Federal Highway:	OFF
Latitude:	46 49 ' 0 "
Longitude:	124 5 ' 24 "
BridgeNo:	1117/0.5
Carries:	SCHMID ROAD (N)
Requester:	Roger Stein
Phone:	(360) 249-4222

Total Project Costs and Start Dates:

Projected Replacement :	$363,875.00
Preliminary Engineering:	January 2005
Right of Way:	April 2006
Construction Start:	June 2007

Condition Codes:

Deck:	7
Superstructure:	6
Substructure:	3
Scour:	2
Load Rating (Inv/Opr):	38 64 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	3
Deck Geometry:	4
Under Clearance:	9
Waterway:	6
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09	
Main/Appr Material Design:	5 01	0 00
Average Daily Traffic Year:	171	1999
Detour Length (Miles)	1	
Year Built and Rebuilt:	1971	0
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	1	

Geometric Data:

Bridge Length:	28
Curb to Curb:	23.5
Square feet of deck::	658
Number of lanes on:	2
Approach Roadway Width	24

Agency Cost Estimates:

New Square Foot:	1120
Preliminary Engineering:	$26,250.00
Right of Way:	$25,000.00
Construction:	$175,000.00
Other Projected Costs:	$78,750.00
Approach:	$28,875.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Slabs
New Sub Type:	Concrete Abutment on Piles
Proposed Length/Curb to Curb (FT):	40 28

Proposed work:

Remove existing failing mud sills and construct concrete abutments on a new alignment to improve existing 90 degree corner.

Site Review Comments

Bridge founded on mudsills, County has performed maintenance and mitigation to stabilized foundation, Thaweg 4' below mudsill level, rotting timbers, maintenance to replace rotten timbers prolonged life, Load rating high - not for substructure.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Fair	Good	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	43.98 FO
Bridge Owner Name:	Benton County
Bridge Name:	OAK ST CID BRIDGE
Intersecting:	CID CANAL
Strudture ID:	08229000
Federal Highway:	ON
Latitude:	46 10 ' 12.5 "
Longitude:	119 5 ' 49.3 "
BridgeNo:	761300110
Carries:	OAK STREET
Requester:	Bryan Thorp
Phone:	(509) 786-5611

Total Project Costs and Start Dates:

Projected Replacement :	$418,000.00
Preliminary Engineering:	January 2005
Right of Way:	
Construction Start:	October 2005

Condition Codes:

Deck:	7		
Superstructure:	7		
Substructure:	7		
Scour:	8		
Load Rating (Inv/Opr):	23	39	**HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	5
Deck Geometry:	3
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	17	
Main/Appr Material Design:	5 22	0 00
Average Daily Traffic Year:	1317	2002
Detour Length (Miles)	99	
Year Built and Rebuilt:	1958	0
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	3	

Geometric Data:

Bridge Length:	36
Curb to Curb:	23.5
Square feet of deck::	846
Number of lanes on:	2
Approach Roadway Width	25

Agency Cost Estimates:

New Square Foot:	1600
Preliminary Engineering:	$40,000.00
Right of Way:	$0.00
Construction:	$208,000.00
Other Projected Costs:	$130,000.00
Approach:	$40,000.00

Agency Replacement Comments:

New Super Type:	Precast Concrete	
New Sub Type:	Concrete Abutments	
Proposed Length/Curb to Curb (FT):	40	40

Proposed work:

Remove and replace existing bridge with a precast structure to accommodate future area expansion.

Site Review Comments

Bad relationship to existing Y-intersection, runoff problems, no room for approach rails, bridge is in good condition and is serving its purpose at this time. Not on six-year plan.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Good	Poor	Poor	Poor

2004 Replacement Candidates

Sufficiency Rating:	44.04 SD
Bridge Owner Name:	Walla Walla County
Bridge Name:	LOWDEN
Intersecting:	WALLA WALLA RIVER
Strudture ID:	08399100
Federal Highway:	ON
Latitude:	46 3 ' 7 "
Longitude:	118 35 ' 29 "
BridgeNo:	931900022
Carries:	LOWDEN GARDENA RD
Requester:	David Eids
Phone:	(509) 527-3241

Total Project Costs and Start Dates:

Projected Replacement :	$1,642,135.00
Preliminary Engineering:	November 2004
Right of Way:	July 2005
Construction Start:	June 2006

Condition Codes:

Deck:	9
Superstructure:	8
Substructure:	4
Scour:	2
Load Rating (Inv/Opr):	24 40 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	4
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	07
Main/Appr Material Design:	1 11 0 00
Average Daily Traffic Year:	375 2004
Detour Length (Miles)	5
Year Built and Rebuilt:	1920 0
Historical Significance:	5
Open/Closed/Posted:	A
Number of Utilities:	1

Geometric Data:

Bridge Length:	180
Curb to Curb:	20.2
Square feet of deck::	3636
Number of lanes on:	2
Approach Roadway Width	31

Agency Cost Estimates:

New Square Foot:	7680
Preliminary Engineering:	$128,850.00
Right of Way:	$50,000.00
Construction:	$859,000.00
Other Projected Costs:	$446,550.00
Approach:	$150,735.00

Agency Replacement Comments:

New Super Type:	2 span Concrete girders with composite CIP de
New Sub Type:	Concrete abutments and pier - Pile supported
Proposed Length/Curb to Curb (FT):	240 32

Proposed work:

Remove and replace the existing earth filled arch bridge and replace it with concrete bridge with scour stable foundations.

Site Review Comments

Designed mitigation installed but doesn't last, Gabion Baskets at pier 2, channel shifting and dropping Thaweg at bottom of center pier footing, County not sure if there are piles below footings.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Fair	Fair	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	45.3 FO
Bridge Owner Name:	WAITSBURG
Bridge Name:	TOUCHET RIVER - MAIN ST
Intersecting:	TOUCHET RIVER
Strudture ID:	08515800
Federal Highway:	ON
Latitude:	46 16 ' 20.2 "
Longitude:	118 9 ' 16.4 "
BridgeNo:	WAITSBRG1
Carries:	MAIN STREET
Requester:	Eric Zitterkopf
Phone:	(509) 529-9260

Total Project Costs and Start Dates:

Projected Replacement :	$1,020,815.00
Preliminary Engineering:	December 2004
Right of Way:	
Construction Start:	July 2006

Condition Codes:

Deck:	5		
Superstructure:	6		
Substructure:	6		
Scour:	8		
Load Rating (Inv/Opr):	13	22	**HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	4
Under Clearance:	9
Waterway:	6
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	07	
Main/Appr Material Design:	1 11	0 00
Average Daily Traffic Year:	200	1992
Detour Length (Miles)	1	
Year Built and Rebuilt:	1925	0
Historical Significance:	5	
Open/Closed/Posted:	A	
Number of Utilities:	4	

Geometric Data:

Bridge Length:	92
Curb to Curb:	20
Square feet of deck::	1840
Number of lanes on:	2
Approach Roadway Width	24

Agency Cost Estimates:

New Square Foot:	3600
Preliminary Engineering:	$85,650.00
Right of Way:	$0.00
Construction:	$571,000.00
Other Projected Costs:	$256,950.00
Approach:	$94,215.00

Agency Replacement Comments:

New Super Type:	Precast Concrete Girders	
New Sub Type:	CIP concrete abutments	
Proposed Length/Curb to Curb (FT):	120	30

Proposed work:

Replace existing bridge with a single span precast concrete bridge with sidewalks both sides.

Site Review Comments

Main issues are capacity and hydraulics, arch restricts waterway, City is actively working to reduce flood impacts - moving/elevating homes, evaluating dikes.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Good	Fair	Fair

2004 Replacement Candidates

Sufficiency Rating:	47.21 SD
Bridge Owner Name:	LYNDEN
Bridge Name:	FISHTRAP CR - N 14TH ST
Intersecting:	FISHTRAP CREEK
Strudture ID:	08532900
Federal Highway:	OFF
Latitude:	48 56 ' 38.9 "
Longitude:	122 27 ' 52.7 "
BridgeNo:	LYNDEN 3
Carries:	N 14TH STREET
Requester:	Mark Sandal
Phone:	(360) 354-3446

Total Project Costs and Start Dates:

Projected Replacement :	$1,222,400.00
Preliminary Engineering:	May 2005
Right of Way:	
Construction Start:	August 2006

Condition Codes:

Deck:	7
Superstructure:	6
Substructure:	4
Scour:	U
Load Rating (Inv/Opr):	20 33 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	6
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	5 22 0 00
Average Daily Traffic Year:	100 1992
Detour Length (Miles)	1
Year Built and Rebuilt:	1970 0
Historical Significance:	4
Open/Closed/Posted:	A
Number of Utilities:	1

Geometric Data:

Bridge Length:	69
Curb to Curb:	24
Square feet of deck::	1656
Number of lanes on:	2
Approach Roadway Width	36

Agency Cost Estimates:

New Square Foot:	3520
Preliminary Engineering:	$85,000.00
Right of Way:	$321,000.00
Construction:	$700,000.00
Other Projected Costs:	$321,000.00
Approach:	$116,400.00

Agency Replacement Comments:

New Super Type:	Deck Bulb-tees
New Sub Type:	Concrete abutments
Proposed Length/Curb to Curb (FT):	80 44
Proposed work:	

Remove existing bathtub bridge and replace with deck bulb-tee with concrete substructure.

Site Review Comments

High water reaches abutments, failed culvert is causing settlement at approach, piles with unknown penetration, consecutive piles red tagged and helper piles installed, girders are showing signs of rot.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Fair	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	47.97 SD
Bridge Owner Name:	Lincoln County
Bridge Name:	EAST PFIEFER BRIDGE
Intersecting:	CANNAWAI CREEK
Strudture ID:	08075300
Federal Highway:	OFF
Latitude:	47 30 ' 54 "
Longitude:	118 56 ' 42 "
BridgeNo:	B-31081
Carries:	COUNTY ROAD 13660
Requester:	Rick Becker
Phone:	(509) 725-7041

Total Project Costs and Start Dates:

Projected Replacement :	$414,185.00
Preliminary Engineering:	March 2006
Right of Way:	
Construction Start:	May 2007

Condition Codes:

Deck:	7
Superstructure:	7
Substructure:	4
Scour:	5
Load Rating (Inv/Opr):	17 28 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	4
Under Clearance:	9
Waterway:	8
Roadway Alignment	7
Safe Load Capacity:	2

Age and Service Data:

Fed Func Class:	09
Main/Appr Material Design:	3 02 0 00
Average Daily Traffic Year:	23 1990
Detour Length (Miles)	5
Year Built and Rebuilt:	1930 0
Historical Significance:	5
Open/Closed/Posted:	P
Number of Utilities:	0

Geometric Data:

Bridge Length:	39
Curb to Curb:	18.4
Square feet of deck::	717
Number of lanes on:	2
Approach Roadway Width	20

Agency Cost Estimates:

New Square Foot:	1960
Preliminary Engineering:	$44,350.00
Right of Way:	$0.00
Construction:	$229,000.00
Other Projected Costs:	$103,050.00
Approach:	$37,785.00

Agency Replacement Comments:

New Super Type:	Prestressed Concrete Girders
New Sub Type:	Concrete Spread Footings or Piles with Caps.
Proposed Length/Curb to Curb (FT):	70 28
Proposed work:	

Remove and replace existing steel girder bridge with concrete replacement bridge.

Site Review Comments

Ongoing scour problem. Riprap done but not engineered. Scour vulnerable - spread footings. Abutments badly cracked at wingwalls.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Fair	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	48.19 FO
Bridge Owner Name:	Pierce County
Bridge Name:	MASHELL RIVER
Intersecting:	MASHELL RIVER
Strudture ID:	08327100
Federal Highway:	ON
Latitude:	46 51 ' 48 "
Longitude:	122 15 ' 6 "
BridgeNo:	24164A
Carries:	ALDER CUTOFF ROAD
Requester:	Don Peterson
Phone:	(206) 296-8020

Condition Codes:

Deck:	7
Superstructure:	6
Substructure:	7
Scour:	3
Load Rating (Inv/Opr):	18 30 **HS-20 (Tons**

Age and Service Data:

Fed Func Class:	06	
Main/Appr Material Design:	2 05	0 00
Average Daily Traffic Year:	2950	2000
Detour Length (Miles)	15	
Year Built and Rebuilt:	1937	0
Historical Significance:	5	
Open/Closed/Posted:	A	
Number of Utilities:	2	

Agency Replacement Comments:

New Super Type:	Prestressed Concrete
New Sub Type:	Concrete abutments supported by Piles
Proposed Length/Curb to Curb (FT):	165 40
Proposed work:	

Remove and replace existing bridge with a wider non-scour critical bridge.

Total Project Costs and Start Dates:

Projected Replacement :	$2,506,270.00
Preliminary Engineering:	November 2004
Right of Way:	February 2005
Construction Start:	March 2006

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	2
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	5

Geometric Data:

Bridge Length:	162
Curb to Curb:	20
Square feet of deck::	3240
Number of lanes on:	2
Approach Roadway Width	32

Agency Cost Estimates:

New Square Foot:	6600
Preliminary Engineering:	$178,200.00
Right of Way:	$60,000.00
Construction:	$1,188,000.00
Other Projected Costs:	$820,800.00
Approach:	$234,270.00

Site Review Comments

The channel is split with an island in the center of the river that causes scour problems, County's experience with rehabs is cost approx. equals replacement, County unsure of foundation - bedrock?, lots of little damage on rail

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Fair	Fair	Good

2004 Replacement Candidates

Sufficiency Rating:	48.86 FO
Bridge Owner Name:	Klickitat County
Bridge Name:	MARVEL
Intersecting:	TWIN BUTTES DRAINAGE
Strudture ID:	08343400 **Federal Highway:** ON
Latitude:	45 48 ' 57.7 " **Longitude:** 120 50 ' 46 "
BridgeNo:	217
Carries:	WEST DARLAND ROAD
Requester:	Bjorn Hedges **Phone:** (509) 773-4616

Condition Codes:

Deck:	7
Superstructure:	7
Substructure:	7
Scour:	8
Load Rating (Inv/Opr):	14 23 **HS-20 (Tons**

Age and Service Data:

Fed Func Class:	07	
Main/Appr Material Design:	1 22	0 00
Average Daily Traffic Year:	1185	2002
Detour Length (Miles)	7	
Year Built and Rebuilt:	1962	0
Historical Significance:	4	
Open/Closed/Posted:	B	
Number of Utilities:	4	

Agency Replacement Comments:

New Super Type:	Prestressed Concrete
New Sub Type:	Concrete abutment on spread footings
Proposed Length/Curb to Curb (FT):	30 34
Proposed work:	

Remove and replace existing bridge with prestressed concrete bridge, relocate utilities.

Total Project Costs and Start Dates:

Projected Replacement :	$520,875.00
Preliminary Engineering:	January 2008
Right of Way:	
Construction Start:	May 2009`

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	3
Under Clearance:	9
Waterway:	8
Roadway Alignment	6
Safe Load Capacity:	4

Geometric Data:

Bridge Length:	23
Curb to Curb:	22.7
Square feet of deck::	522
Number of lanes on:	2
Approach Roadway Width	30

Agency Cost Estimates:

New Square Foot:	1020
Preliminary Engineering:	$33,750.00
Right of Way:	$0.00
Construction:	$225,000.00
Other Projected Costs:	$206,250.00
Approach:	$48,375.00

Site Review Comments

Bridge is not posted - Load Rating from 1993. Condition is basically good, County is more concerned with width. 1185 ADT. Roadway improvements not on 6-year plan.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Poor	Poor	Poor

2004 Replacement Candidates

Sufficiency Rating:	49.09 FO
Bridge Owner Name:	King County
Bridge Name:	FIFTEEN MILE CREEK
Intersecting:	FIFTEEN MILE CREEK
Strudture ID:	08194700
Federal Highway:	ON
Latitude:	47 28 ' 48 "
Longitude:	122 1 ' 36 "
BridgeNo:	1384A
Carries:	ISSAQUAH HOBART RD
Requester:	Jim Marcus
Phone:	(206) 296-8020

Total Project Costs and Start Dates:

Projected Replacement :	$3,880,838.00
Preliminary Engineering:	February 2006
Right of Way:	December 2007
Construction Start:	June 2009

Condition Codes:

Deck:	6
Superstructure:	6
Substructure:	5
Scour:	3
Load Rating (Inv/Opr):	21 36 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	2
Under Clearance:	9
Waterway:	8
Roadway Alignment	8
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	02	
Main/Appr Material Design:	2 02	0 00
Average Daily Traffic Year:	17910	2002
Detour Length (Miles)	1	
Year Built and Rebuilt:	1949	0
Historical Significance:	4	
Open/Closed/Posted:	A	
Number of Utilities:	8	

Geometric Data:

Bridge Length:	64
Curb to Curb:	24
Square feet of deck::	1536
Number of lanes on:	2
Approach Roadway Width	28

Agency Cost Estimates:

New Square Foot:	3900
Preliminary Engineering:	$408,434.00
Right of Way:	$20,000.00
Construction:	$1,365,000.00
Other Projected Costs:	$1,796,179.00
Approach:	$291,225.00

Agency Replacement Comments:

New Super Type:	Concrete Girder	
New Sub Type:	Pile or Drilled Shaft Foundation	
Proposed Length/Curb to Curb (FT):	130	30

Proposed work:

Build detour bridge, remove and replace with wider concrete bridge.

Site Review Comments

Pile foundation tips 4-6 above thaweg, foundation a mixture of pile and spread footings, pile end pumping under traffic, Major scour repair completed by County - gabion baskets, riprap, crib walls, new intersection at Issaquah/Hobart to incr. ADT

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Poor	Good	Good

2004 Replacement Candidates

Sufficiency Rating:	49.35 FO
Bridge Owner Name:	Pierce County
Bridge Name:	PUYALLUP RIVER (66th Av)
Intersecting:	PUYALLUP RIVER
Strudture ID:	08235500
Federal Highway:	ON
Latitude:	47 12 ' 54 "
Longitude:	122 20 ' 24 "
BridgeNo:	18204A
Carries:	IRR 66TH AVE EAST
Requester:	Don Peterson
Phone:	(253) 798-7250

Total Project Costs and Start Dates:

Projected Replacement :	$20,545,000.00
Preliminary Engineering:	September 2004
Right of Way:	January 2005
Construction Start:	July 2006

Condition Codes:

Deck:	6
Superstructure:	6
Substructure:	6
Scour:	5
Load Rating (Inv/Opr):	20 33 **HS-20 (Tons**

Adequacy Appraisal Codes:

Structural:	4
Deck Geometry:	2
Under Clearance:	9
Waterway:	8
Roadway Alignment	3
Safe Load Capacity:	5

Age and Service Data:

Fed Func Class:	16	
Main/Appr Material Design:	3 10	3 02
Average Daily Traffic Year:	10425	2002
Detour Length (Miles)	5	
Year Built and Rebuilt:	1931	0
Historical Significance:	5	
Open/Closed/Posted:	A	
Number of Utilities:	0	

Geometric Data:

Bridge Length:	345
Curb to Curb:	20
Square feet of deck::	6900
Number of lanes on:	2
Approach Roadway Width	26

Agency Cost Estimates:

New Square Foot:	28700
Preliminary Engineering:	$1,650,000.00
Right of Way:	$300,000.00
Construction:	$11,000,000.00
Other Projected Costs:	$5,750,000.00
Approach:	$1,815,000.00

Agency Replacement Comments:

New Super Type:	Steel or Concrete, Arch or Truss
New Sub Type:	Concrete on Pile Foundation
Proposed Length/Curb to Curb (FT):	350 82
Proposed work:	

Replace existing bridge on new alignment. Add bicycle lanes and raised sidewalks.

Site Review Comments

Large Northerly expansion into Fife currently underway, on the six-year plan, some improvement segments have been funded, County has funded TS&L.

Load Capacity	Bridge Geometrics	Approach Geometrics	Bridge Condition	Hydraulics
Good	Good	Good	Fair	Poor